Rykhlik, I. and Shorm, F.
ON PROTEINS, XXXI. CONCERNING THE ACTIVE
CENTERS OF TRYPSIN AND CHYMOTRYPSIN
(O Belkakh, 31, K Poznaniyu Aktivnogo Tsentra
Tripsina i Khimotripsina). 41p. (foreign text included) 21refs. DTC-17.
Order from OTS, ETC or DTC 54.60 TT-63-26457

Trans. of Sbornik Chekhoslovatskykh Khimicheskykh Rabof; 1955, v. 20, no. 3, p. 538-549. (a1so published in Chemické Listy (Czechoslovakia) 1955, v. 49, p. 249-258).

DESCRIPTORS: *Trypsin, *Chymotrypsin, Molecular structure, Peptide Hydrolases, Magnesium.

(Biological Sciences--Biochemistry,
TT, v. 12, no. 4)

Alkalcids of Poppy Plants (Papaveraceae) Part VIX:
The Alkalcids of Mecleaya Microcarpa (Maxim.)
Feddews, by J. Slavik, L. Slavikova, 13 pp.

Constant, bimo per, Shornik Chekhoolovatstikh
Thimichentikh Rabot, Vol XX, No 2, Prague,

Apr 1955, pp 356-361.

CIA/FDD iu-0801

Sci - Crecholelovakiu
Sci - Chemistry, medicine
pt 56

Amino-Acids and Peptides. XV. Preparative Isolation of Some Amino Acids from Gelatin Hydrolysates, by Vaclay Goleyshovski, Frantitek Shorm, 11 p.

CERCH, per, Sbornik Chekhos Khim Rebot, 1955, Vol. XX, No 20, pp 586-592.

BLA 60-10372

Sci Ager 60 Vol III, No 3 11,574

KBrbl. J.
PROPERTIES OF SILVER PERMANGANATE AND ITS
THERMAL DECOMPOSITION PRODUCT. Pt. 1 of
Analytical Applications of Silver Permanganate.
19 July 62 [7]p. 18 refs.
Order from SLA St. 10 62-18984

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh
Rabul] 1955, v. 20, p. 948-951.

DESCRIPTORS: Chemical analysis, *Permanganates,
*Silver compounds, Decomposition, *Pyrolysis,
Oxidation, Oxygen, Hydrogen, Catalysis.

The oxidation properties of solid silver permanganate
and the oxidation-catalytic properties and absorptivity
of its thermal decomposition product were studied
with a view to their analytical application. (Author)

(Chemistry--Analytical, TT, v. 10, no. 2)

Office of Technical Services

Körbl, J.

DETERMINATION OF CARBON AND HYDROGEN IN ORGANIC COMPOUNDS. Pt. 2 of Analytical Applications of Silver Permanganate. 23 July 62 [12]p. 22 refs. Order from SLA \$1.60 62-18985

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1985, v. 20, p. 953-960.

DESCRIPTORS: Chemical analysis, Determination, *Carbon, *Hydrogen, Organic compounds, Pyrolysis, *Silver compounds, *Permanganates, Catalysts, Absorption, Nitrogen, Dioxides, Halogens, Sulfur.

The thermal decomposition product of silver permanganate is used as a combustion catalyst in the determination of carbon and hydrogen in organic compounds. The filling also fixes halogens and sulfur dioxide. The catalytic combustion, which proceeds at relatively low (Chemistry--Analytical, TT, v. 10, no. 2) (over)

Office of Techsical Services

Korbl, J.

DETERMENATION OF CARBON AND HYDRA GAIN
USING A SHORT CATALYTIC FILLING IN THE
COMBUSTION TUBE. Pt. 3 of Analytical Applications
of Silver Permanganate. 30 July 62 [11]p. 12 refs.
Order from SLA \$1.60

Trans. of [Shornik Chelchoslovatskykh Khimicheskykh
Rabot] 1955, v. 20, p. 1026-1031.

DESCRIPTORS: Chemical analysis, Combustion chambers, Determination, *Carbon, *Hydrogen, *Silver
compounds, *Pyrolysis, *Permanganates, Reaction
kinetics, *Catalysts.

The semimicrodetermination of carbon and hydrogen,
using a 3.5 cm contact layer, is described. (Author)

(Chemistry--Analytical, TT, v. 10, no. 2)

Office of Techsical Services

Körbl, J. and Blabolii, K.

MICRODETERMINATION OF CARBON AND HYDROGEN.
Pt. 4 of Analytical Applications of Silver Permanganate.
14 Aug 62 [6]p. 7 refs.
Order from SLA \$1. 10
62-18988

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1956, v. 21, p. 318-320.

DESCRIPTORS: *Microanalysis, *Carbon, *Hydrogen.
Organic compounds, Silver compounds, Permanganates, Catalysts, Absorption, Halogens, Sulfur, Reaction kinetics.

The short catalytic combustion-tube filling, with some modifications, was used for the microdetermination of carbon and hydrogen in organic compounds. (Author)

(Chemistry--Analytical, TT, V. 10, no. 1)

Office of Technical Services

62-18989 Körbl, J. and Pribil, R. COMPLEXOMETRIC DETERMINATION OF OXIDI7-1. Title: Complexometric ABLE SULFUR AS MANGANESE (II) SULFATE. Pt. 5 analysis I. Körbl, J. II. Pribil, R. of Analytical Applications of Silver Permanganate. 9 Aug 62 [8]p. 14 refs. Order from SLA \$1.10 62-18989 Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1956, v. 21, p. 322-325. DESCRIPTORS: *Sulfur, Chemical analysis, Complex compounds, *Manganese compounds, Sulfates, Adsorbants, *Silver compounds, Permanganates. A complexometric method for determining oxidizable

62-18988)

III. Title: Analytical ...

A complexion etric method for determining oxidizable sulfur after absorption of SO₂ in the thermal decomposition product of AgMnO₄ has been developed. SO₂ is absorbed quantitatively in the form of Ag₂SO₄ and MnSO₄. By reaction with H₂O₂ and MnO₂, the Ag₂SO₄ is converted to an equivalent amount of MnSO₄, which is then determined complexometrically. (Author) (See also (Chemistry -- Analytical, TT, v. 9, no. 12)

Office of Technical Services

Smrcek, K. and Barton, K.
CORROSION STUIDES. IV. ELECTROCHEMICAL
AND CORROSION KINETIC STUDIES OF ZINC IN
WATER. 7 Oct 59 [22]p. 18 refs.
Order from SLA \$2.60 61-16773

Trans. of [Shornik Chekhoalovatakykh Khimicheakykh
Rabot] 1956, v. 21, p. 339-348.

DESCRIPTORS: "Zinc, "Corrosion, Electrochemistry,
Corrosion research, Water.

The electrochemical and corrosion kinetic behavior of
zinc in water of different kinds was investigated between 20° and 95°C. An increase of potential of Zn was
observed at 80°C in the tap water, feed water and diatilled water, which can be explained by the change in
the characteristics of the corrosion products and by the
change in the depolarization mechanism of the cathodic
places. In the synthetic water the potential increase
has not been observed. Different reaction mechanisms
(Meralluray--Corrosion, TT, v. 6, no. 5) (over)

Corrosion Study V. Mechanism of Chemical Passivation and Corrosion of Matals, by M. Prezak, V. Prezak, 13 pp.

RUBSTAN, bk, Shornik Chekoslovek Khim Rebot, Vol XXI, 1956, pp 564-570. 9005518

PTD-TT-62-1.721

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343,567

The Decomposition of Penicillin in Acid Solutions, by E. Krejci, 18 pp. CZECH, per, Sbornik Chekhoslovatskykh Khimicheskykh Rabot, Vol XXI, 1956, pp 707-717. CFSTI TT-64-18551

Sci - B/M Jul 66

305,806

Kürbl, J. and Pribil, R.

A SIMPLE AND RAPID METHOD FOR DETECTING ELEMENTS IN ORGANIC COMPOUNDS. Pt. 6 of Analytical Applications of Silver Permanganate.

16 Aug 62 [9]p. 21 refs.

Order from SLA \$1.10

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1936, v. 21, p. 955-959.

DESCRIPTORS: Chemical analysis, *Chemical elements, Detection, *Microanalysis, Carbon, *Inorganic substances, Pyrolysis, *Organic compounds, Permanganates, Silver compounds, Reaction kinetics.

A simple micro method has been developed for the detection of carbon, hydrogen, mercury, nitrogen, chlorine, bromine, iodine, sulfur, phosphorus, and arsenic in organic materials. A O. 1-1 mg sample, (Chemistry--Analytical, TT, v. 10, no. 2)

Octobril 1. Körbl, J.

II. Pribli, R.

III. Title: Analytical ...

A simple micro method has been developed for the detection of carbon, hydrogen, mercury, nitrogen, chlorine, bromine, iodine, sulfur, phosphorus, and arsenic in organic materials. A O. 1-1 mg sample, (Chemistry--Analytical, TT, v. 10, no. 2)

Octobril 2. Körbl, J.

II. Pribli, R.

III. Title: Analytical ...

Octobril 3. Körbl, J.

II. Pribli, R.

III. Title: Analytical ...

Octobril 4. Körbl, J.

II. Pribli, R.

III. Title: Analytical ...

Octobril 5. Analytical ...

Octobril 6. Analytical ...

Octobril 6. Analytical ...

Octobril 6. Analytical ...

Octobril 7. Körbl, J.

II. Pribli, R.

III. Title: Analytical ...

Octobril 7. Analytical ...

Octobril 7. Analytical ...

Octobril 8. Analytical ...

Octobril 8. Analytical ...

Octobril 9. Anal

Baralara la

Patrovsky, V. and Huka, M.

COMPLEXOMETRIC TITRATIONS (CHELATOMETRY).

XXII. Volumetric Determination of Iron, Aluminum and Itizanium in Silicates (Komplexometrische Titrationen (Chelatometrie)). 19 Nov 57, 12p. 24 refs.

Order from SLA \$1.60

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1957, v. 22, Peb, p. 37-42 (also published in Chemickel Listy (Czechoslovakia) 1956, v. 50, p. 1103f).

DESCRIPTORS: *Titration, *Iron, *Aluminum, *Titanium, Determination, Colorimetric analysis, Chemical analysis.

Iron, aluminum and titanium can be determined chelatometrically by back-titration of excess complexon in neutral medium with copper salt against pyrocatechol violet. After titration of iron against sulfosalicylic acid and colorimetric determination of titanium, the alumi-(Chegmistry-Analytical, TT, v. 6, no. 5) (cmer)

Organosilicon Compounds. VIII. Carbon and Hydrogen Determination in Organosilicon Compounds, by J. Korbl, R. Komers, 19 p.

CZECH, per, Sbornik Chekhoslovatskykh Khim Kabot, 1957, Vol XXII.

BLA 59-15733

8ci Dec 59 Yol 2, No 6 104,135

Chamical Reactions of Synthetic Polymers, by W. Kern, 23 p.

CZECH, per, Sbornik Chekhoslovetskykh Khimicheskykh Rabot, 1957, p Vol XXII, pp 126-150.

BLA 60-10075

Soi Apr 60

Vol III, No 3

112,082

Complementation of Lead Against Brilliant Commo Blue in Unbuffered Medium, by J. Vrestal, S. Kotrly, 12 pp.

CZECH, per, Shornik Chekhoslovatskykh Khimicheskykh Rabot, Vol XXII, Feb 1957, pp 189-194.

SIA 59-15421

Sc1 Dec 59 Vol 2, No 5

103,607

Complexemetry in Organic Analysis II. Determination of eres. Amine Acids and Peptides, by B. Busesinsky, 10 pp.

CZECH, per, Shornik Chekhoslovatskyki, Knimicheskykii Rabot, Vol MXII, Feb 1957, pp 230-235.

SIA 59-15420

Sci Dec 59 Vol 2, No 5

103,633

তি Complexometry in Organic Analysis III. Determination of Quaternary Associum Solts, by B. Budesinsky, 18 ্ত

CZECH, per, Sbornik Chekhoslovatskych Knimicheskych Rabot, Vol XXII, 1957, pp 236-241.

SIA 59-15427

Sci Dec 59 Vol 2, No 5

103,635

Coloringeric Determination of Cobalt With .

CHECH, per, Sbornik Chekhoslovatskykh Khim Rabot, 1957, Vol XXII, pp 246-252.

SLA 59-15768

Bai Dac 59 Vol 2, No 6

104,136

Organometallic Compounds From the Standpoint of Macromolecular Synthesis, by K. Ziegler, 14 pp.

CZECH, por, Sbornik Chekhoelovatskykh Khimicheskykh Rabot, Vol. XXII, 1957, p 295.

BIA 60-10778

8e1 Jun 60 Vol. III, 1605 119,051

Communitative Organic Analysis. VIII.
Micro-Determination of Sulfur in Organic
Compounds. The Formation Mechanism of
Silver Sulfete, by M. Vecers, D. Snobl,
Ll pp.

HUBSIAN, per, Sbornik Chekhoslovatskhkh Khim Habot, Vol XXII, 1957, pp 986-993.

SLA 60-14381

Sei Mar 62 Vol IV, No 2,

188,896

Calculation of the Liquid Vapor Equilibrium from the Viscosity of the Liquid Phase, by V. Vanecek, 6 pp.
CRECH, per, Shornik Chekhoslovatskykh
Khimichantykh, Babot, Vol 22, No 5,
1957, pp 1569-1573.
SIA TRu65m10197

336,230
Sei Aug 67

Satava, V. and Körbl, J.

THE THERMAL DECOMPOSITION OF SILVER
PERMANGANATE, Pt. 7 of Analytical Applications of
Silver Permanganate. 23 Aug 62 [16]p. 26 refs.
Order from SLA \$1.60

Trans. of [Shornik Chekhoslovatskykh Khimicheskykh
Rabxt] 1958, v. 22, p. 1380-1389.

DESCRIPTORS: *Silver compounds, *Permanganates,
Pyrolynis, Calorimetry, Gravimetric analysis,
Electrical conductance, Thermoelectricity, Catalysis.

The decomposition of silver permanganate at temperatures up to 1000°C was followed by differential thermal analysis, thermogravimetric analysis, contraction
thermal analysis, and measurements of electrical
conductivity and thermoelectric properties. On the
basis of the apperimental results obtained, a repre(Chemüstry--Analytical, TT, v. 9, no. 10) (over)

Synek, L. and Vecera, M.

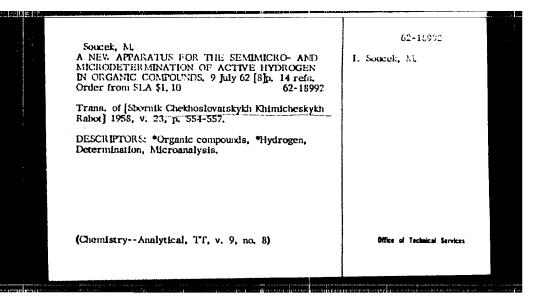
QUANTITATIVE ORGANIC ANALYSIS. XI. THE USE
OF COBALTO-COBALTIC OXIDE (Co₃O₄) AS A COMBUSTION CATALYST IN ELEMENTAL ANALYSIS.
Preliminary Communication, 8 June 62 [5]p, 10 refs.
Order from SLA \$1, 10

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh
Rabot] 1958, v. 23, p. 331-333.

DESCRIPTORS: "Organic compounds, "Quantitative
analysis, "Cobalt compounds, Oxides, "Cobalt,
"Cobalt catalysts, Combustion, Catalysts.

A small layer of cobalto-cobaltic oxide on a suitable:
support is a very effective combustion catalyst, anc,
at temperature of about 600°C, ensures complete combustion for most organic compounds, even those whose
combustion involves difficulties (hydrazo: J,
(Chemistry--Analytical, TT, v. 8, no. 9) (over)

Office of Technical Services



Vecera, M. and Syrek, L.
QUANTITATIVE ORGANIC ANALYSIS. XVIII.
MICRODETERMINATION OF CARBON AND HYDROGEN, USING COBALTO-COBALTIC OXIDE AS COMBUSTION CATALYST. 1 Nov 62, 16p. 44 refs.
Order from SLA \$1.60 63-10102

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1958, v. 23, p. 1202-1211.

DESCRIPPORS: *Quantitative analysis, *Organic compounds, *Microanalysis, *Carbon, *Hydrogen, *Cobalt compounds, *Combustion, Catalysts, *Oxides.

A rapid and simple method for the microdetermination of C & H is described, in which the sample is burned of C 2 H is described, in which the sample is burned in an oxygen stream in the presence of CO304. Halogen and sulfur are absorbed by silver, while altrogen oxides are retained outside the combustion tube by (Chemistry--Analytical, TT, v. 9, no. 10) (over) 63-10102

1. Vecera, M. II. Synek, L.
III. Title: Microde-

termination...

Kinetics of Electrode Processes of Complexes in Polarography. Pt I. Certain Polarographic Methods for the Determination of the Mechanism of Metal Deposition From Complexes, by J. Koryta.

CZECH, per, Sbornik Chekhoslovatskykh Khimicheskykh Rabot, Vol XXIII, 1958, pp 1408-15411.

SLA TT 64-30044

Sci May 67

327,221

Zahradnik, R.
THE REACTIONS OF THE AMINO ACIDS WITH
CARBON DISULFIDE. VII. PREPARATION AND
SOME PHYSICO-CHEMICAL PROPERTIES OF SALTS
OF THE DITHIOCARBAMINO CARBOXYLIC ACIDS.
[1963] 11p 12refs
Order from SLA \$1.60

TT-63-20134

Trans. of [Sbornik Chekhoelovatskykh Khimicheskykh
Rabol] 1958, v. 23, p. [443-1450 (originally pub. in
Chemicke Listy (Czechoslovakia) 1956, v. 50,
p. 1892ff.). (Abstract available)

DESCRIPTORS: "Amino acids, "Carbon compounds, "Sulfides, Thio radicals, Amines, Carboxylic acids, "Barium compounds, Synthesia (Chemistry), Solubility, Electrical conductance, Absorption spectrum.

(Chemistry--Organic, TT, v. 11, no. 2)

(over)

TT-63-20134

- 1. Title: Dithiocarbamino
- carboxylic acids

 1. Zahradnik, R.
- II. Title: Preparation ...

Office of Technical Services

Horacek, J. and Grünberger, D.
A MODIFIED RAPID METHOD FOR THE DETERMINATION OF 14C. 9 May 63 [7p] 11refs
Order from SLA \$1.10
TT-63-18903

Trans. of [Sbornik Chekhoelovatskykh Khimicheskykh Rabot] 1958, v. 23, p. 1974-1977.

DESCRIPTORS: "Radioactive isotopes, "Carbon, Labeled substances, Combustion, Titration, Chemical precipitation, "Laboratory equipment, Design, Radiological contamination, "Radiochemistry.

A method is given for the determination of the C¹⁴ content of organic substances which combines the simplicity of the Körhl method, the accuracy of the Presil combustion tube method, and the feature that samples are not contaminated by risidual additionality in the apparatus. The combustion tube contains the pyrolysis product of AghinO₄ as a combustion catalyst, and MnO₄ (Chemistry--Analytical, TT, v. 11, no. 1) (over)

TT-63-18903

1. Horacek, J. II. Grünberger, D.

Office of Technical Services

Study of Mixing. PT. II. Indication of Flow Faths by a Suspended Body. A Statistically-Based Mathod for the Investigations of the Mixing Process in the Liquid Phase, by H. Staidl, 18 pp.

GERCE, per, Sbornik Chethoologatokyth Chimicheskyth Elabot, Vol Parill, 1958, pp 1564-1679.

Affect Tech Serv 848270

8c1 - Chem May 59 OFFS, VI, No 6

86,331

The Chromatography of Aromatic Isomers. IX. Separation of Some Benzene Mono- and Tricarbosylic Acids by Paper Chromatography, by J. Franc, 7 pp.

RUSSIAN, per, Sbor Chekh Khim Rabot, Vol XXIII, 1958, pp 2018-2023.

ATS 771290

Sci - Chem Sep 59 Vol J. No!

97,247

Horacek, J. and Körbl, J.

MICRO- AND SEMIMICRODETERMINATION OF
CARBON AND HYDROGEN IN FLUORINE-CONTAINENG
ORGANIC COMPOUNDS, Pt. 8 of Analytical Applications of Stiver Permanganate. 27 Aug 62 [7]p. 15 refs.
Order from SLA \$1.10 62-18993

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh
Rabot] 1959, v. 24, p. 266-290.

DESCRIPTORS: *Silver compounds, *Permanganates,
*Fluorocarbons, Microanalysis, *Fluorine compounds,
Organic compounds, *Carbon, *Hydrogen.

(See also 62-18991)

(Chemistry--Analytical, TT, v. 9, no. 10)

Office of Technical Services

Polarographic Currents Determined by the Dissociation of an Electroinactive Compound into an Electroactive Compound and an Electroinactive Compound, by J. Cizek, J. Koryta, et al. CZECII, per, Sbornik Chekhoslovatskykh Khimicheskykh Rabot, Vol XXIV, 1959, pp 663-677. SLA TT 64-30043

Sci May 67

327,19798

Measuring the Transition Temperatures of Polymers by Heans of the Penetrometric Hethod, by F. Rybmikar, 8 p.

CERCH, per, Sbornik Chebboslowitskykh Khimicheskykh Rabot, 1959, Vol XXIV, No 5/6, pp 1200-1205,

BLA 60-10133

Sci. Apor 60 Vol. III; Ho 3

112,120

Gas Chrosstography of Monohydric Phenole, by J. Janak, R. Komers, J. Sims, 17 p.

CERCH, per, Shornik Chek Khimich; skykh Rabot, 1959, Vol XXIV, pp 1492-1508.

ATB-741330

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May 60 Vol 3, No h

*[15] 3563 116, 758

The Melting Temperatures of Poly-6-Caprocodide and Polyethyleno Therephthalate, by F. Rybnidson 16 pp.

MINISTAN, per, Shernik Chekhoslovatekykh Khim Rabot, Vol. XXIV, No 9, 1959, pp 2861-2869.

SLA 60-18523

Jun 62

Budesinsky, B.
A UNIVERSAL APPARATUS FOR SEMIMICRODFTER-MINATION OF ACTIVE HYDROGEN AND QUANTITA-TIVE HYDROGENATION. 11 July 62 [11]p. 12 rcfs.
62-18994 62-18991 I. Budesinsky, B. Order from SLA \$1.60 62-18994 Trans. of [Sborntk Chekhoslovatskykh Khimicheskykh Rabot] 1959, v. 24, p. 2948-2953. DESCRIPTORS: *Hydrogen, *Hydrogenation, Gases, Quantitative analysis, Manometers, Volumetric analysis, Organic compounds, An improved universal apparatus for gas-volumetric determinations is described. The apparatus has been used successfully for the semimicrodetermination of active hydrogen by means of LiAlH₄ or CH₃Mgl, and for quantitative hydrogenation on palladium, platinum, or Raney nickel. (Author) (Chemistry--Analytical, TT, v. 9, no. 12)

APPROVED FOR RELEASE: Monday, September 23, 2002 CIA-RDP84-00581R000401220072-0

Office of Technical Services

Kinetics of Electrode Processes of Complexes in Polaragraphy, PT. IV. Polarographic Behavior of Univalent Thallium in Solutions of Ethylenediamine Tetraacetic Acid, by Z. Zabransky, 14pp
RUSSIAN, per, Sbornik Chekhoslovatskykh
Khimicheskykh Rabot, Vol 24, 1959, pp 3075-3083

Sci - Chem May 67

326,661

Polymerization of Propylems. I. Dilatometric Hethod for the Study of the Heterogeneous Polymerization of ω - Oloring, by J. Ambro E, 6 pp.

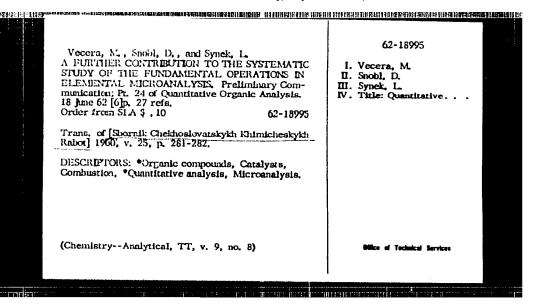
RUSSIAN, per, Shornik Chekloslovetskykh Khim Rabot, 1959, Vol KKIV, pp 3703-3707.

ATII-199440

194,310

Sci May 52

Wol 4 No 10



Conscibution to the Knawledge of Mixing. Wh. Horogenization of a Mechanically Mirad Liquid Medium After a Single addition f of a Liquid Miscible in any Proportion, by H. Steidl, 13 pp.

RUSSIAN, per, Sbornik Chekhoslovatskykh Knim Sabot, Vol XXV, 1960, pp 515-527.

ATS-05M40G

Sei Vol TV, No 2 Mar 62

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188,876

On the Passivity of the Alloy Sn 75-Zn, by K. Prazak, 12 pp.

Russian, per, Sbornik Chekhoslovatskykh Khim Rabot, Vol XXV, 1960, pp 1126.

SIA 60-18750

Sci Jul 62

Vol 4, No 12

203,569

Wikhterle, O. and Exner, O.

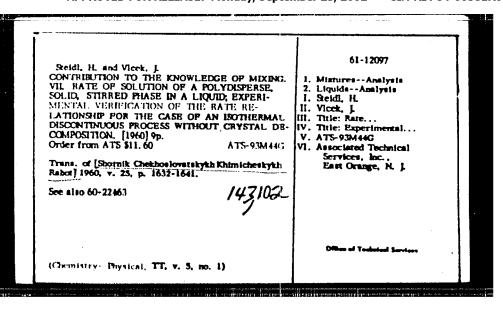
SYNTHESIS OP POLYPEPTIDES BY THE REACTION
OF AMIDES WITH ALKOXIDES. 13 Nov 62 [15]p.
5 refs.
Order from SLA \$1.60

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabor] 1960, v. 25, p. 1371-1376.

DESCRIPTORS: *Peptides, Synthesis, *Amides, *Acetamides, Alkoxy radicals, Ethanols, Chemical reactions, Ethyl radicals, Sodium compounds, Acetates, Ammonia.

It was established that by the reaction of ethyl alcohol with acetamide in the presence of sodium alcoholate no N-ethylacetamide is formed but ethyl acetate, sodium acetate, ammonia and other compounds are obtained. (Author)
(Chemistry--Organic, TT, v. 10, no. 2)

Office of Techsical Services



CHARLA PARIA

Vecera, M. and Snobl, D.

QUANTITATIVE ORGANIC ANALYSIS. XXV. AN INVESTIGATION OF THE EXTERNAL ABSORPTION OF NITROGEN OXIDES WITH MANGANESE DIOXIDE IN THE DETERMINATION OF CARBON AND HYDROGEN. [1963] [15p] 32refs
Order from SLA \$1.60

Trans. of [Sbornik Chekhoslovatskykh Khimicheskyth Rabx] 1960, v. 25, p. 2013-2021. (Abstract available)

DESCRIPTORS: *Hydrogen, *Carbon, *Manganese compounds, Dioxides, *Nitrogen compounds, Oxiden, Absorption, Organic compounds, Quantitative analysis, Microanalysis, in amounts proportional to its surface hydroxyl groups, in amounts proportional to its surface area. In accordance with this fact, hydrated MnO(OH)2 gel proved the most suitable for external absorption of (Chemistry--Analytical, TT, v. 11, no. 3) (over)

AMERIK CAMPA

Lands, S., Weisser, O., and Mostecky, J.
PROPERTIES OF SULFIDE CATALYSTS. VII.
PREPARATION OF MERCAPTANS, THIOETHERS,
SELENIUM MERCAPTANS, AND SELENIDES BY
THE ADDITION OF HYDROGEN SULFIDE AND
HYDROGEN SHLENIDE TO OLEFINS (Uber die
Bigenschaften von Sulfid-Katalysatoren. VII.
Darstellung von Mercaptanen, Thioathern,
Selenmercaptanen und Seleniden durch Anlagerung von
Schwefelwasserstoff und Selenwasserstoff an Olefine)
[1961] [21]p. (foreign text included) 26 refa.
Order from SLA \$2.60 61-20521

Trans. of [Skotnik Chekhoslovatskykh Khimicheskykh
Rabot] 1959, v. 24, p. 2197-2207.

DESCRIPTORS: *Sulfides, Catalysts, Catalysts,
*Thiols, *Selenides, Synthesis, *Jiydrogen compounds
*Ethylenes, Chemical reactions, Hydrogenation.
(Mathematics--Computing Devices, TT, v. 7, no. 1)
(over)

Kinetics of Electrode Processes of Complexes in Polarography. III. The Charge Transfer Reaction and the Dissociation Reaction of the Complex, by J. Koryta. 23 pp.

CZECH, per, Sbornik Chekhoslovatskykh Khimicheskykh Rabot, Vol 24, 1959, pp 3057-3073.

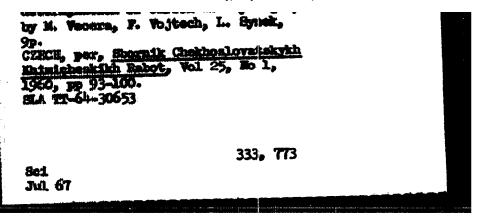
SLA TT-64-16375

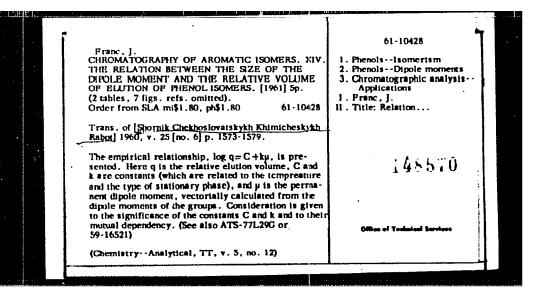
Sci/Chemistry
Jul 66

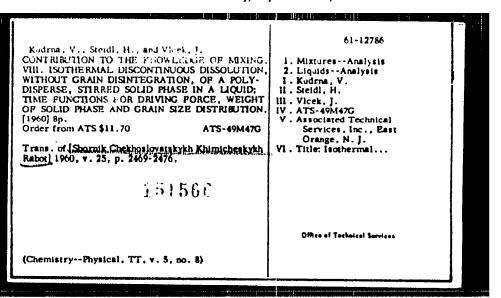
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Quantitative Organic Analysis. XXII. Her Hathod for the Rapid Automobile Combustion of Organic Substances: Microdatecrafuntion of Carbon and Hydrogam,







61-10632 Ettel, V. and Horak, J.
REACTION OF PHOSPHINE AND HYPOPHOSPHOROUS
ACID WITH ALDEHYDES, I. REACTION OF PHOSPHINE WITH BENZALDEHYDE. [1961] [10]p. 6 refs.
Color from St A mt\$1.80, ph\$1.80 61-10632 1. Benzaldehydes - Chemic (I reactions 2. Phosphines -- Chemical reactions 3. Phosphines -- Synthesis Trans. of [Shornik Chekhoslovatskykh Khimicheskykh Rabot] 1960, v. 25, no. 8, p. 2191-2195. 1. Ettel, V. II. Horak, J. III. Title: Reaction... The reaction of phosphine with benzaldehyde was studied and it was found that phosphine adds, in the presence of hydrochloric acid, to the carbonyl group of the aldehyde to form tris(-hydroxybenzyl)phosphine. In aqueous alcoholic medium, the alcohol also takes part in the reaction; in the presence of methanol, there is formed raise. there is formed tris(-methoxybenzyl)phosphine; in the presence of higher alcohols there are obtained bis(-alkoxybenzyl)phosphines. (Author) 108860 Office of Tachaieri Services (Chemistry--Organic, TT, v. 5, no. 11)

Lukes, V. and Hercut, V.
ATEARATUS FOR FREPARATIVE GAS-LIQUID
CHROMATORAFHY. [1951] 7p.
Order from ATS 513, 20

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Trans of [Storral Chekhoslovatskyth Khimicheshyth, Rabx] 1970, V. 25, p. 2770-2776. 907878.

[II. ATS-65N48G
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[Chemistry--Analytical, TT. v. 5, no. 11]

Seidl, M.

CONTRIBUTION TO THE KNOWLEDGE OF [MIXING]
AGITATION. IX. RATE OF SOLUTION OF A POLYDISPERSE SOLID SWIRLED PHASE IN A LIQUID;
RATE RELATION FOR THE CASE OF AN ISOTHERMAL NONSTATIONARY PROGRESS WITH THE
BREAKUP OF GRAINS. [1961] 18p. 7 refs.
Order from SLA \$1.60 61-18707

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh
Rabot] 1961, v. 26, no. 3, p. 601-612.

DESCRIPTORS: *Solids, *Liquids, *Mixtures, Solubility, Reaction kinetics, Statistical processes.

Portions of this report will not reproduce well.

On the basis of a conception in terms of a model,
modified in a suitable way, the time relation deter(Chemistry--Physical, TT, v. 8, no. 9) (over)

NEW PERSON NAMED IN

62-10199 Lukes, R., Dudek, V. and others.
REACTION OF THE GRIGNARD REAGENT WITH
THE AMIDE GROUP: REACTION OF N-METHYLCAPROLACTAM WITH THE GRIGNARD REAGENTS
OF THE PARAFFIN SERIES. [1961] 14p. (German I. Lukes, R. II. Dudek, V. III. Title: Reaction of
N-Methylcaprolactam. . . summary omitted) 18 refs. Order from SLA \$1.60 62-10199 Trans. of Sbornik Chekhoslovatskykh Khimicheskykh Rabot, 1961, v. 26, p. 1105-1112. DESCRIPTORS: *Grignard reagents, Reagents, Amides, Methyl radicals, Magnesium compounds, Bromides, *Lactams, Chemical reactions, Grignard reactions, Ketones, Amines, Separation. In addition to the geminate bases, the corresponding aminoketones were isolated under the action of alkyl magnesium bromides upon N-methylcaprolactam. (Chemistry--Organic, TT, v. 7, no. 9) (Author) Office of Technical Services

Kubinova, M., Vilim, O., and Svoboda, V.
DETERMINATION OF TRACES OF WATER IN
HYDROCARBONS, Jan 62 [6]p. 4 refs.
Order from SLA \$1.10

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh
Raborl 1961, v. 26, p. 1320-1324.

DESCRIPTORS: Determination, Water, *Hydrocarbonn
*Microanalysis, Hydrolysis, Titanium compounds,
Chlorides, Test equipment.

A description is given of an analytical method for the
determination of very small concentrations of water in
hydrocarbons, amounting to up to 5 x 10 %, which is
based on the measurement of the turbidity appearing
in the hydrolysis of titanium (IV) chloride due to the
effect of water. A description is given of the used
devices and the measuring results are statistically
processed. The method takes only a short time and
does not require any special apparatus. (Author)

62-20119

1. Kubinova, M.
II. Vilim, O.
III. Svoboda, V.

(Chemistry--Analytical, TT,
v. 9, no. 12)

Office of Technical Services

Pechanec, V. and Horacek, J.
USE OF THE MANOMETRIC METHOD IN ORGANIC ANALYSIS. 1. MICRODETERMINATION OF ACTIVE HYDROGEN, 9 Mar 62 [15]p. 27 refs.
Order from SLA \$1.60 62-16071

Trans. of [Sbormik Chekhoslovatskykh Khimicheskykt. Rabot] 1961, v. 26, p. 1805-1813.

DESCRIPTORS: *Organic compounds, *Manometers, Solids, Liquids, *Hydrogen, *Microanalysis, Microchemistry, Determination.

A simple manometric method for the microdetermination of active hydrogen in solid and liquid organic substances, using a Warburg manometer with a modified vessel, suitable for crushing capillaries, has been developed. The sample weights were between 0.5-2mg and the deviations of results from theory did not exceed ±0.02%.

(Chemistry--Analytical, TT, v. 8, no. 6)

Office of Technical Services

Vecera, M.

AUTOMATIC DETERMINATION OF NITROGEN IN ORGANIC SUBSTANCES, 15 Jan 62 [12]p. 14 refs.
Order from SLA \$1.60 62-1607.2

Trans. of Sbornik Chekhoslovatskykh Khimicheskykh Rabot) 1961, v. 25, p. 2308-2314.

DESCRIPTORS: *Nitrogen, Determination, Thermal condectivity, Combustion, *Organic compounds, Microchemistry, Automatic.

A new freshod for automatic introgen determination, based on flash ignition of samples in the presence of cobalt (II, III) oxide in a stream of CO₂₀ has been developed. Nitrogen in the carrier gas is determined by direct measurement of thermal conductivity changes. The standard deviation of the nitrogen determination is substantial deviation of the nitrogen determination is substantiable for the analysis of liquid compounds, combestion is carried out in a closed system.

(Chemistry, Organic, Pl. v. 8, no. 6)

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Weidenthaler, P.
CHEMISORPTION OF GASES ON SILVER-OXIDE.
[1963] [16p] ISrefs
Order from SLA \$1.60

Trans. of [Shornik Chekhoslovatskyth Khimicheskyth
Rabot] 1961, v. 26, p. 2587-2595.

DESCRIPTORS: *Chemisorption, *Gases, *Oxides,
Silver compounds, *Adsorption, Reaction kinetics,
Semiconductors, Electrical conductance, Surface
properties.

The results of manometric measurements of the
reciprocal effect between oxygen and silver oxide
were compared with those of the kinetic investigation
of electron transfer between the semi-conducting
adsorbent and the chemisorbed gases. The conductivity investigation of the course of chemisorption
permitted not only a comparison of the kinetics of
(Chemistry--Physical, TT, v. 10, no. 10) (over)

Cerny, O. and Hajek, J.
PHOTOCHEMICAL CHLORINATION OF HEXANE
AND 2.3-DIMETHYL-BUTANE WITH CHLORINE
AND ORGANIC CHLORINATING AGENTS. 14 Apr 62,
10p. (tables omitted) 24 refs.
Order from SLA \$1.10

Trans. of [Shornik Chekhoslovatskykh Khimichesykh
Rabon] 1961, v. 26, p. 2624-2631.

DESCRIPTORS: *Photochemistry, *Hexanes, *Methyl
radicals, *Butanes, Molecular isomerism, *Chlorination, Chlorine, Chlorine compounds, Isocyanic acids,
Sulfimides, Succinimides, Imides, Aniline derivatives,
Acetimides, Urea derivatives, Hydrazine derivatives,
Hypochlorites.

(Chemistry--Organic, TT, v. 10, no. 7) (over)

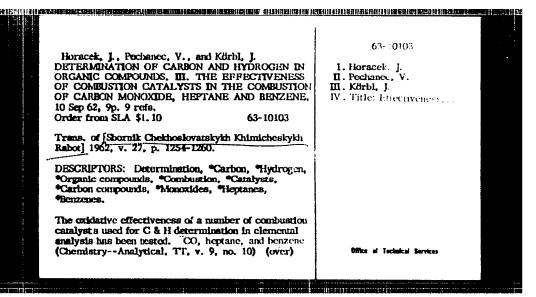
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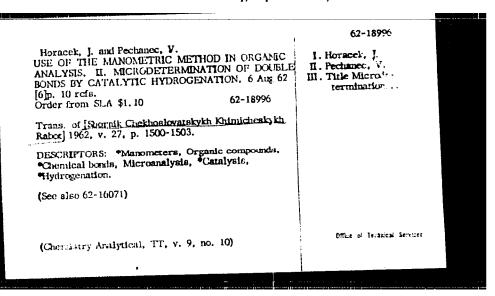
Coulometric Microdetermination of Hydrogen in Compounds, by J. Soucek.
CZECH, per, Sbornik Chekhoslovatskykh
Khimicheskikh Rabot, Vol XXVII, No 4, 1962, pp 10241028.
SLA TT 64-16175

May 67 325,013

Quantitative Organic Analysis, XXXI,
Microdetermination of Carbon in Organic
Substances by Measurement of Electrical Conductivity,
using Co, 04 as Combustion Catalyst
(Preliminary Communication)
by M. Vecera, J. Lakomy, et al.
CZECH, per, Sbornik Chekhoslovatskykh
Khimicheskikh Rabot, Vol XXVII, No 4,
1962, pp 1033-1037.
SLA TT 64-16179

May 67 325,017





Pelcik, J.
NEW SENSITIVE DETECTION METHOD FOR
NAPHTHENIC ACIDS. [1963] 5p.
Order from ATS \$8.00

ATS-77Q69G

Trans. of [Stornik Chekboslovatskykh Khimicheskykh
Rabot] 1962, v. 27, no. 6, p. 1503-1507.

DESCRIPTORS: Chemical analysis, *Naphthenes,
Acids, Detection.

(Chemistry--Analytical, TT, v. 10, no. 5)

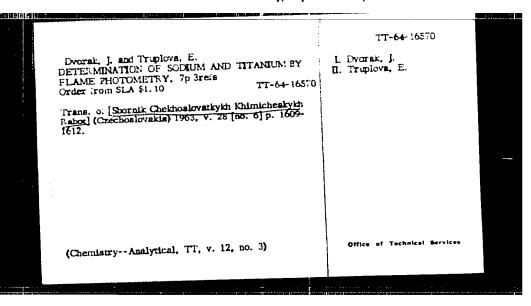
63-17448

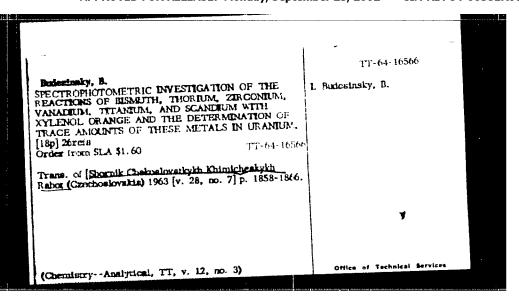
1. Title: Naphthenic acids
I. Pelcik, J.
II. ATS-77Q69G
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Monday, September 23, 2002

CIA-RDP84-00581R000401220072-0





Quantitative Organic Analysis. XXXV.
Microdetermination of Carbon in Organic
Substances, Using a New Conductivity Cell,
by J. Lakomy, L. Lehar, et al.
CZECH, per, Shornik Chekhoslavatskykh
Khimicheskykh Rabot, Vol XXVIII, No 12, 1963,
pp 3271-3277.
SIA TT 64-18494

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Toxicological Experiments With Cyclehexanone Oxime, &-Caprolactam, and &-Aminocaproic Acid; a Biological Comparison of the Substances, by F. Pekerny, 23 pp.

CZECH, per, Sbornik Lekarsky, Vol LIV, 1952, pp 28-47.

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Kolar, M., Sava, J., and Budesinska-Komarkova, M.
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DESCRIPTORS: *Blood circulation, *Muscles, *Exercise, *Tohacco, Cigarettes.

(Biological Sciences--Physiology, TT, v. 8, no. 4)

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JPRS 16113

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Perception of Taste of Phenylthiourea (PTC),
by R. Brilicka, 10 pp.
CZECI, per, Sbornik Lekursky, Vol LXVI,
Nc 4, 1964, pp 116-120. P100064766
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Sci - Biol & Med Sci
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Follarpgraphic Determination of Micros Curatities

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ADX: Tr 1985

Scientific - Chamistry Physics .

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The Ticks (Ixedoidea) of the Rissengebirge and Remarks Regarding the Taxonomic Position of the Exopolphiger Heroldi Schulze Species, by Vl. Cerny, 12 pp.

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Sci. - Ned New 61. 150,608

Polydymite, a New Mineral from Czechoslovakia, by V. Moffmann.
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CZECK, per, Sbornik Ostrave, Vol VII, No S, 1961, FF 569-301.

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Sept 53

On the Quality of Non-Ageing Aluminium—
Stabilized Deep-Drawing Steel, by V. Dedek,
V. Vondrasek.
CZECH, per, Shornik (Ostrava), Vol 10, No 3,
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HEIEI 5247

Sci - Machanical, Industrial,
Civil, and Marine Engineering
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Differential Thermal Analysis of Coal and Coke, by F. Kessler, H. Rossekova.

CZECE, per, Sb. Preci Hermick, Ustavu CHAV, No 4, 1961, pp 104-166.

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a Dynamic Vibration Absorber in the Case of Centrifugal Force. by S. Ziemba,
B. Raduiszewski.
CENCH, per, Shornik Pracz Konferencie
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Dynamiky Strolov, 2d Smolenics, 1961,

Investigation on the Tools of Cultivators and Hoes, by Z. Prihoda.

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Ustavu Zemedelskych Stroju, No 1, 1960,

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Statistical Analysis of Operating Conditions in Cast Iron Foundry Practice, by America Zaludova,

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m Statistical Analysis of Operating Conditions in Cast Iron Foundry Practice, By America Zaludova, 20 pp.

PCLISH, pass rpt, Sbornik Prednasck Pracovniku Vyzkusneho Ustavu Tepelme Techniky, 1956, pp 144-162. 9081182

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Theometical Question Concerning the Piercing Property of Steels, by V. Heinrich, O. Pejcoch. CZECH, rpt, Shomik Sump. "Stiefel VZKG" Paper E, ENSI 7430.

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The Contribution of the Vitkovice Steel and Iromworks (VZKG) in the Branch of Plants for Tube Rolling Mills.

By M. Behal CZECH, rpt, Sbornik Symp. "Stiefel VZKG" paper 1.

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Sci/Mat Nov 69

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The Tube Drawing reduction fills, their bevelopment and Todays Inportance, by G. leder.
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Magnetic and Gravinetric Studies in Moravia, by
R. Behousek.
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Changes in the Permeability of Barriers After Irradiation. Radiobiology of the Cell Barriers, by B. Glukhovskii. Clech, per, Sbornik Vedeckyck Praci, Lokarske Pakulty ku v Hradci Kralove, Vol 6, 1963, pp. 147-153.

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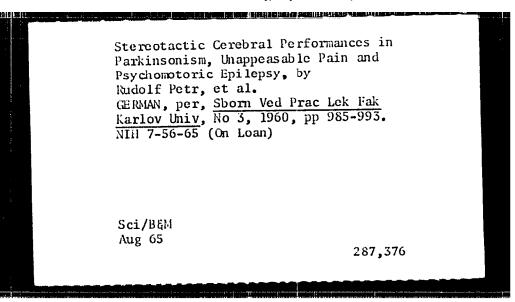
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EEG Records in Healthy Children Aged 7
to 10 Years, by Dagmar Sinkova.
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Dept HeW NIR, 8-39-65

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Pribyl, J.
A CONTRIBUTION OF THE TERMINOLOGY, AND TO THE EXPLANATION, OF INHOMOGENEITY IN CAST BODIES. Aug 61.
Order from MT±8 8s MT Trans-83

Trans. of Vysoka Skola Ranska. Shornik Vedeckych Praci (Czechoslovakia) 1959, v. 5, no. 3, p. 249-261.

DESCRIPTORS: Subject headings, *Castings, Czechoslovakia.

(Manufacturing, TT, v. 7, no. 4)

Diffusion of Carbon in Ferrite, by J. Busa.

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Vol 2, 1962, pp 31-34.

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MENDEN DER PRODUCTION DER EINE DER HERBERT DER TORFET DER TORFET DER PROPERTIES DER BESCHERE DER DER BESCHERE

A Contribution to the Terminology, and to the Explanation, of Inhomogeneity in Cast Podies, by J. Pribyl.

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Pre-heating the Charge of Electric Arc-Furnaces,
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